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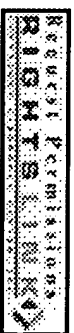
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Communications, Computers and Signal Processing, 1991., IEEE Pacific Rim Conference on
9-10 May 1991 Page(s):692 - 695 vol.2
Digital Object Identifier 10.1109/PACRIM.1991.160834
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Southeastcon '89. Proceedings. 'Energy and Information Technologies in the Southeast', IEEE
9-12 April 1989 Page(s):1227 - 1231 vol.3
Digital Object Identifier 10.1109/SECON.1989.132618
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Flash memory BIOS for PC and notebook computers

[Jex, J.](#)

Intel Corp., Folsom, CA, USA;

This paper appears in: **Communications, Computers and Signal Processing, 1991., IEEE Pacific Rim Conference on**

Publication Date: 9-10 May 1991

On page(s): 692 - 695 vol.2

Meeting Date: 05/09/1991 - 05/10/1991

Location: Victoria, BC

INSPREC Accession Number:4208870

Digital Object Identifier: 10.1109/PACRIM.1991.160834

Posted online: 2002-08-06 17:47:24.0

Abstract

The author describes a flash memory device used to store the basic input/output system (BIOS) of a PC or notebook computer. Rapidly increasing computer complexity requires rapid and convenient BIOS modifications. BIOS code can be stored in ROM, EPROM, EEPROM, bulk erasable flash memory, or block erasable flash memory. Updating BIOS stored in ROM or EPROM requires much time and money. BIOS storage does not require EEPROM's feature of byte erasure. Rapid and inexpensive BIOS revisions can be accomplished in flash memory with update software provided on a disk or by modem. Block erasable flash memory provides the capability of BIOS updates while providing boot and recovery code protected from inadvertent program or erasure. BIOS code is easily updated in flash memory containing an internal program and erase sequence controller. A 1-Mb block erasable flash memory with an internal program and erase sequence controller is an ideal storage medium for PC and notebook computer BIOS code

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Author Keywords

[Not Available](#)

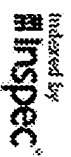
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IEEE STD IEEE Standard

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L7 14 or L6

18 L7

L6 ("low pin count" near5 memory) same (flag or pointer)

3 L6

L5 (firmware near5 memory) same (flag or pointer)

237 L5

L4 (LPC near5 memory) same (flag or pointer)

16 L4

L3 (LPC near5 memory) same (firmware near5 memory) same (flag or pointer)

1 L3

DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L2 (LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)

0 L2

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L1 (LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)

1 L1

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Search Results -

Terms	Documents
(LPC near5 memory) and (firmware near5 memory)	0

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	<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L11</u>	(LPC near5 memory) and (firmware near5 memory)	0	<u>L11</u>
	<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>		
<u>L10</u>	((LPC near5 memory) same (flag or pointer)) and (firmware near5 memory)	1	<u>L10</u>
<u>L9</u>	((LPC near5 memory) same (flag or pointer)) and((firmware near5 memory) same (flag or pointer))	1	<u>L9</u>
<u>L8</u>	17 and firmware	2	<u>L8</u>
<u>L7</u>	14 or L6	18	<u>L7</u>
<u>L6</u>	("low pin count" near5 memory) same (flag or pointer)	3	<u>L6</u>
<u>L5</u>	(firmware near5 memory) same (flag or pointer)	237	<u>L5</u>
<u>L4</u>	(LPC near5 memory) same (flag or pointer)	16	<u>L4</u>
<u>L3</u>	(LPC near5 memory) same (firmware near5 memory) same (flag or pointer)	1	<u>L3</u>
	<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L2</u>	(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	0	<u>L2</u>
	<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>		
<u>L1</u>	(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	1	<u>L1</u>

Refine Search

Search Results -

Terms	Documents
((<u>low pin count</u> " or LPC) near5 memory) same ((firmware or BIOS) near5 memory)	26

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<u>L2</u>	((<u>low pin count</u> " or LPC) near5 memory) same ((firmware or BIOS) near5 memory)	26	<u>L2</u>
<u>L1</u>	((<u>low pin count</u> " or LPC) near5 memory) and ((firmware or BIOS) near5 memory)	44	<u>L1</u>

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Search Results -

Terms	Documents
L2	0

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side by side

Hit Count Set Name
result set

DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L3 L2

0 L3

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L2 (("low pin count" or LPC) near5 memory) same ((firmware or BIOS) near5 memory)

26 L2

L1 (("low pin count" or LPC) near5 memory) and ((firmware or BIOS) near5 memory)

44 L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	1

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side by side			result set
	DB=PGPB,USPT,USOC; PLUR=YES; OP=OR		
<u>L1</u>	(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	1	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	0

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side by side			result set
<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L2</u>	(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	0	<u>L2</u>
<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>			
<u>L1</u>	(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	1	<u>L1</u>

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